

9/24

Scoping for Risk Assessment for ANC 3801 E 7th St.

{ John Jawlinski } Lester F, R.A., Robert Crepe + P. Alanson + G. Jensen
Monsur Sopher } - Sama Env.

Area 3 investigations only.

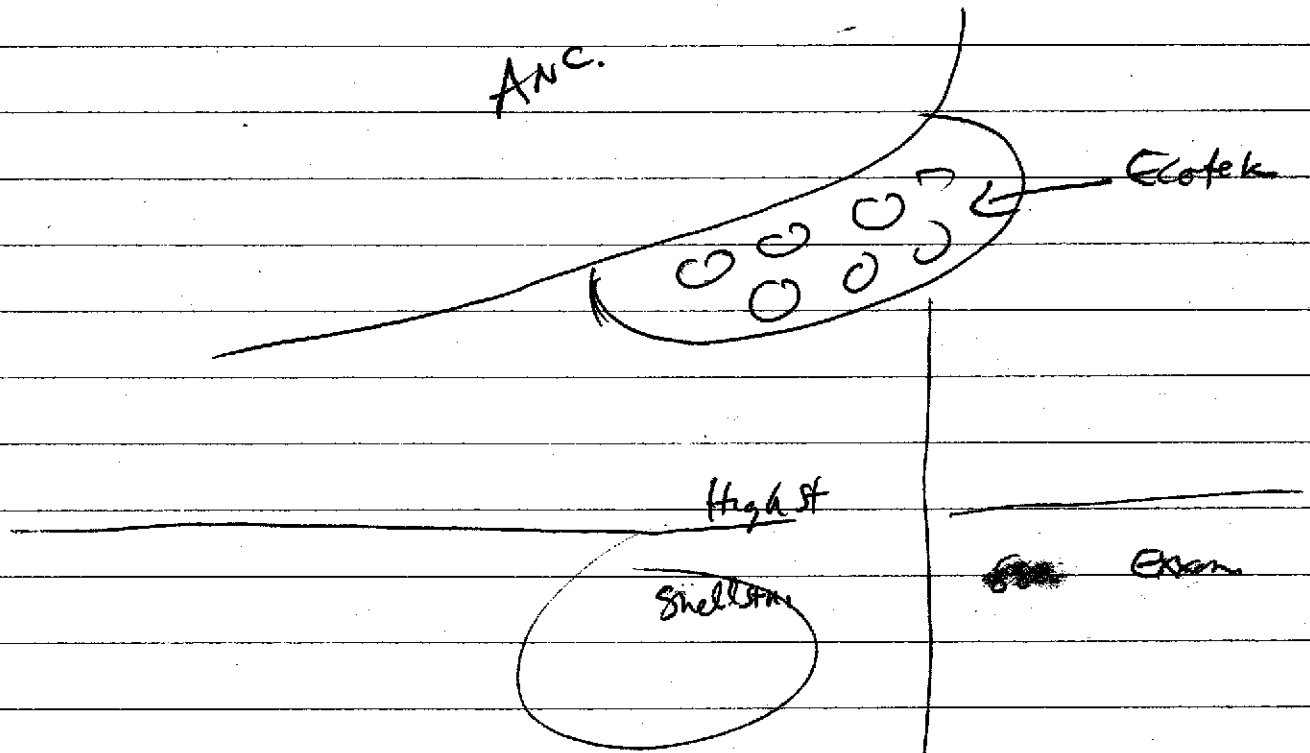
MW-7

A1

A

GW-1

3 potential causes for gradient in this area
① gradient
② water leak
③ water in tanks + accumulated on Ecotek



- Baseline HRA for on site employees + off site residents
- Workers exposures during construction period
- Post.-remediation HRA for on site employees + onsite residents

Baseline HRA (~~Area Development~~)

- Selection of COC

- Exposure pathways (inhalation only)

Determination of exposure pt., concentration (modelling) ^{air dispersion}

- Conducting health risk calculations.

Need to prove that GW is not a drinking water source + soil exposure will not exist

Deed restrictions:

1) No development of impacted area

2) Periodic monitoring of wells

3) Capping of area (paving)

30-40 COC's

→ Conduct GW flow modeling

Conduct GW chemical transport modeling for all COCs

Conduct vapor intrusion rate calc. for chemically affected. GW plume under present, 15 + 30 yrs from date

Conduct air dispersion modeling to evaluate outdoor air quality conditions

Conduct indoor air modeling for evaluation of indoor air quality conditions

- Workers exposure during construction period - 180 days

- Post remediation HRA

If the baseline HRA indicates an excessive HR exist, GW remediation will be necessary to reduce risk.

Data Requirements

- GW quality + soil chemical content at Ekatch
- Exist of floating product in GW including Ekatch
- Ekatch site history
- GW + soil chemical data
- GW elevation data
- Boring logs
- Geological cross-section
- Aquifer transmissivity / hydraulic conductivity
- Aquifer porosity
- Aquifer organic content
- Soil organic carbon
- Soil moisture content by depth
- Soil porosity / bulk density